

CLAIMS

1. A dishwasher comprising a circulatory pump (6) for circulating the rinsing liquid and a comminution device (12) for comminuting rinsing residue, characterised in that the comminution device (12) is at least temporarily driven by the circulatory pump (6).
2. The dishwasher according to claim 1, wherein a drive coupling between the comminution device (12) and the circulatory pump (6) is made by means of a safety-friction clutch (17, 18).
3. The dishwasher according to any one of claims 1 or 2, wherein the drive of the comminution device (12) is effected by means of an impeller (7) of the circulatory pump (6).
4. The dishwasher according to any one of the preceding claims, wherein the drive coupling between the comminution device (12) and the circulatory pump (6) is made by means of a preferably axially displaceable connecting shaft (8).
5. The dishwasher according to claim 4, wherein the drive coupling between the comminution device (12) and the circulatory pump (6) is made or broken as desired by means of an axial displacement of the connecting shaft (8) between the comminution device (12) and the circulatory pump (6).
6. The dishwasher according to any one of claims 4 or 5, wherein the connecting shaft between the comminution device (12) and the circulatory pump (6) can be coupled to the hub of the impeller (7) of the circulatory pump (6).
7. The dishwasher according to any one of the preceding claims, wherein the drive coupling between the comminution device (12) and the circulatory pump (6) can be made or broken by a coupling regulator (13, 14), especially by a combination of a

positive temperature coefficient (3) and an actuating element (14) consisting of a shape memory alloy.

8. The dishwasher according to any one of claims 4 to 7, wherein provided at the connecting shaft (8) between the comminution device (12) and the circulatory pump (6) are at least two radial projections (16) between which an actuating element (14) of the coupling regulator (13, 14) engages to effect the axial displacement of the connecting shaft (8).
9. The dishwasher according to any one of claims 4 to 8, wherein the drive coupling between the comminution device (12) and the circulatory pump (6) can be made or broken by an electromagnetic switch which effects the axial displacement of the connecting shaft (8) between the comminution device (12) and the circulatory pump (6) by action of electromagnetic force.
10. The dishwasher according to any one of the preceding claims, wherein the comminution device (12) is disposed inside and the coupling regulator (13, 14) is disposed outside the washing container of the dishwasher.